











28. (New) The device of claim 10 wherein said electrode is operative to provide a stimulation signal to said neural tissue.

29. (New) The device of claim 10 further comprising a second electrode placed in a second blood vessel proximate to the neural tissue, said second electrode being of sufficiently small size such that it is capable of being inserted into a capillary, said second electrode being operative to provide a stimulation signal to said neural tissue.

30. (New) The method of claim 18 further comprising the step of monitoring a monitor signal on said electrode.

31. (New) The method of claim 18 further comprising the steps of:

placing a second electrode in a second blood vessel proximate to the neural tissue, said second electrode being of sufficiently small size such that it is capable of being inserted into a capillary; and

providing a monitor signal to said second electrode.

32. (New) The method of claim 1 further comprising the step of filtering the signal from said electrode.

33. (New) The method of claim 1 further comprising the step of utilizing a differential signal as said electrode signal.

